

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	"532196".ap.	US-PGPUB; USPAT	AND	ON	2006/09/07 09:27
L2	0	514/283.ap.	US-PGPUB; USPAT	AND	ON	2006/09/07 09:28
L3	742	514/283.ccls.	US-PGPUB; USPAT	AND	ON	2006/09/07 09:28
L4	12	I3 and berberine	US-PGPUB; USPAT	AND	ON	2006/09/07 09:28
S1	14	berberin composition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/09/06 15:30
S2	22	berberin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/09/07 09:26
S3	2688247	composition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2006/09/06 15:30

10/532,196A Yong Chu 9-7-2006

\$%^STN;HighlightOn=;HighlightOff=;

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptaylc1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11 KOREAPAT updates resume
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in INPADOC
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 07:14:34 ON 07 SEP 2006

=> file reg
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:14:52 ON 07 SEP 2006
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 SEP 2006 HIGHEST RN 905963-91-9
DICTIONARY FILE UPDATES: 6 SEP 2006 HIGHEST RN 905963-91-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

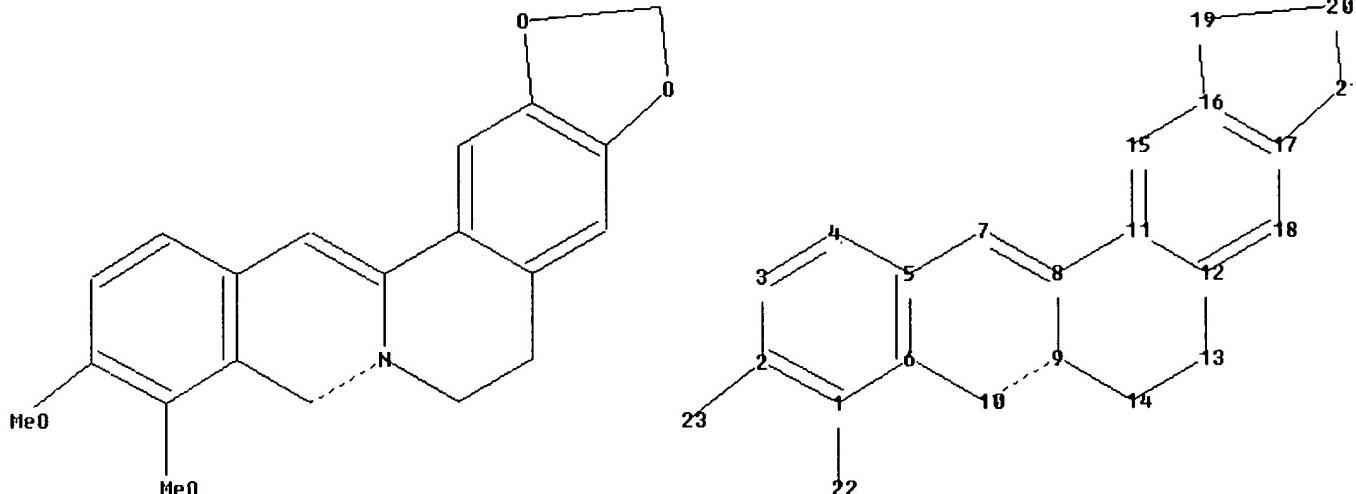
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> Uploading C:\Documents and Settings\ychu\Desktop\Case\10532196\10532196.str



chain nodes :

22 23

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

chain bonds :

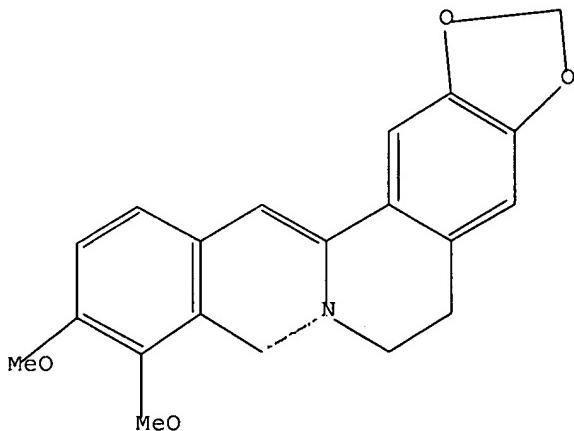
```
1-22 2-23
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 11-15
12-13 12-18 13-14 15-16 16-17 16-19 17-18 17-21 19-20 20-21
exact/norm bonds :
5-7 6-10 7-8 8-9 8-11 9-10 9-14 12-13 13-14 16-19 17-21 19-20 20-21
```

```
exact bonds :
1-22 2-23
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-15 12-18 15-16 16-17 17-18
```

```
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom
22:CLASS 23:CLASS
```

```
L1      STRUCTURE UPLOADED
```

```
=> d
L1 HAS NO ANSWERS
L1      STR
```



```
Structure attributes must be viewed using STN Express query preparation.
```

```
=> s 11
SAMPLE SEARCH INITIATED 07:15:15 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -          90 TO ITERATE
```

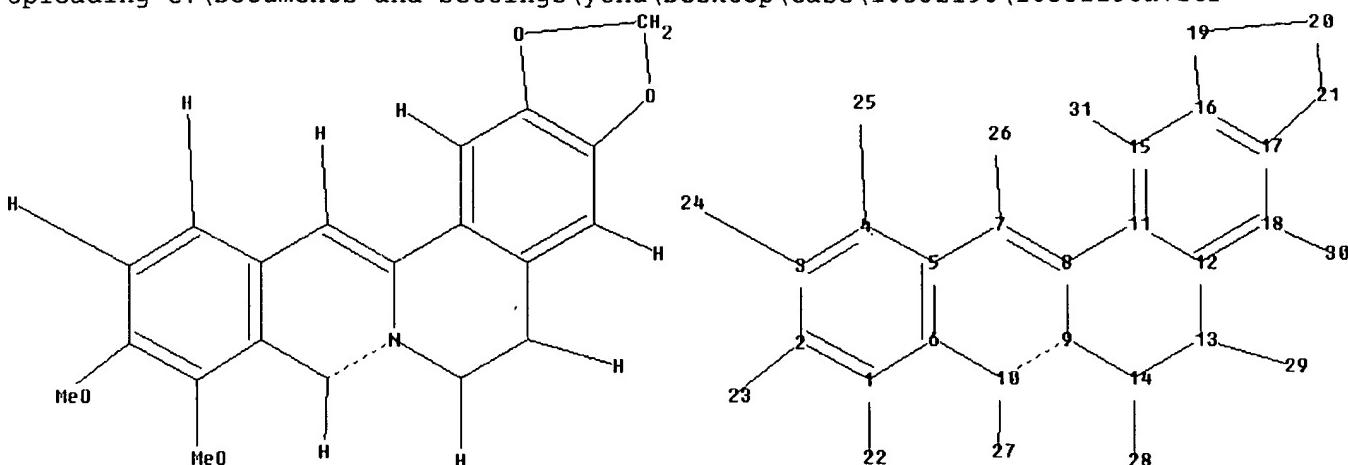
```
100.0% PROCESSED      90 ITERATIONS           33 ANSWERS
SEARCH TIME: 00.00.01
```

```
FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                           BATCH   **COMPLETE**
PROJECTED ITERATIONS:    1231 TO     2369
```

L2 33 SEA SSS SAM L1

=>

Uploading C:\Documents and Settings\ychu\Desktop\Case\10532196\10532196a.str



chain nodes :

22 23 24 25 26 27 28 29 30 31

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

chain bonds :

1-22 2-23 3-24 4-25 7-26 10-27 13-29 14-28 15-31 18-30

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 11-15

12-13 12-18 13-14 15-16 16-17 16-19 17-18 17-21 19-20 20-21

exact/norm bonds :

5-7 6-10 7-8 8-9 8-11 9-10 9-14 12-13 13-14 16-19 17-21 19-20 20-21

exact bonds :

1-22 2-23 3-24 4-25 7-26 10-27 13-29 14-28 15-31 18-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-15 12-18 15-16 16-17 17-18

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom

20:Atom 21:Atom

22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS

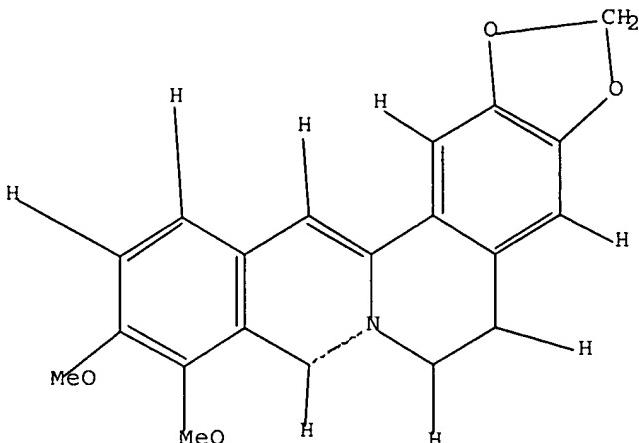
30:CLASS 31:CLASS

L3 STRUCTURE UPLOADED

=> d

L3 HAS NO ANSWERS

L3 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s 13
SAMPLE SEARCH INITIATED 07:16:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 90 TO ITERATE

100.0% PROCESSED 90 ITERATIONS 15 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 1231 TO 2369
PROJECTED ANSWERS: 68 TO 532
```

L4 15 SEA SSS SAM L3

```
=> s 13 full
FULL SEARCH INITIATED 07:17:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2125 TO ITERATE
```

```
100.0% PROCESSED 2125 ITERATIONS 306 ANSWERS
SEARCH TIME: 00.00.01
```

L5 306 SEA SSS FUL L3

=> file caplus	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	168.26	168.47

```
FILE 'CAPLUS' ENTERED AT 07:17:20 ON 07 SEP 2006
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FILE COVERS 1907 - 7 Sep 2006 VOL 145 ISS 11
FILE LAST UPDATED: 6 Sep 2006 (20060906/ED)

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<http://www.cas.org/infopolicy.html>

=> s 15
L6 3273 L5

=> s 16 and morphine
40774 MORPHINE
170 MORPHINES
40822 MORPHINE
(MORPHINE OR MORPHINES)
L7 104 L6 AND MORPHINE

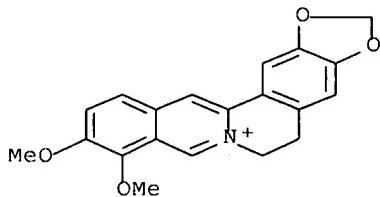
=> s 17 and tolerance
108230 TOLERANCE
8709 TOLERANCES
113678 TOLERANCE
(TOLERANCE OR TOLERANCES)
L8 2 L7 AND TOLERANCE

=> d ibib abs hitstr tot

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:387262 CAPLUS Full-text
DOCUMENT NUMBER: 140:368726
TITLE: Medicament component of berberine for the use of prevention and treatment of psychological dependence on and analgesic tolerance to morphine
INVENTOR(S): Jang, Choon-Gon; Lee, Seok-Yong
PATENT ASSIGNEE(S): Sungkyunkwan University, S. Korea
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004039372	A1	20040513	WO 2003-KR2280	20031027
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 KR 2004037511 A 20040507 KR 2002-66029 20021029
 AU 2003273114 A1 20040525 AU 2003-273114 20031027
 CN 1713911 A 20051228 CN 2003-80102287 20031027
 JP 2006506460 T2 20060223 JP 2005-501862 20031027
 US 2006035917 A1 20060216 US 2005-532196 20050421
 PRIORITY APPLN. INFO.: KR 2002-66029 A 20021029
 KR 2003-60353 A 20030829
 WO 2003-KR2280 W 20031027
 AB Disclosed is a pharmaceutical compn. for preventing and treating addiction to morphine or preventing and inhibiting the development of tolerance to the analgesic effects of morphine, contg. berberine as an effective ingredient, wherein the berberine has an inhibitory effect vs. psychol. dependence on abused drugs such as morphine and the increase of spontaneous locomotor activity upon administration of the drugs. The pharmaceutical compn. and a Coptis japonica plant ext. of the invention, which contain berberine, are highly effective in inhibiting the aforementioned symptoms of morphine addiction, and are thus useful for prevention and treatment of addiction to abused drugs such as morphine. In addn., the pharmaceutical compn. addnl. contg. a pharmaceutically acceptable carrier can be applied to prevent and inhibit morphine tolerance caused by repeated administration of morphine, while not affecting the analgesic effects of morphine upon a single administration.
 IT 2086-83-1, Berberine
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (berberine for prevention and treatment of psychol. dependence on, and analgesic tolerance to, morphine)
 RN 2086-83-1 CAPLUS
 CN Benzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium, 5,6-dihydro-9,10-dimethoxy- (9CI) (CA INDEX NAME)



L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1966:493543 CAPLUS Full-text
 DOCUMENT NUMBER: 65:93543
 ORIGINAL REFERENCE NO.: 65:17532h,17533a-b
 TITLE: Comparative study on the ACTH-releasing activities of berberine, palmatine, and tetrahydropalmatine (corydalis B) in the rat
 AUTHOR(S): Liu, Keng-T'ao; Chu, Ya-Chun; Lui, Hai-P'eng
 CORPORATE SOURCE: Dept. Pharmacol., Chinese Acad. Med. Sci., Peking
 SOURCE: Yaoxue Xuebao (1966), 13(5), 356-62
 CODEN: YHHPAL; ISSN: 0513-4870

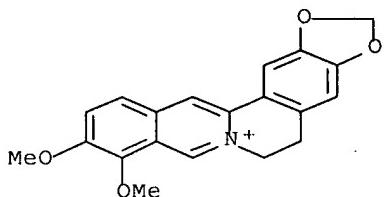
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

AB In rats, the depletion of adrenal ascorbic acid (I) was used as the criterion for ACTH secretion. Subcutaneous injection of tetrahydropalmatine (II), palmatine (III) at 25 or 50 mg./kg., or berberine (IV) (5 or 10 mg./kg.) significantly depleted the adrenal I content, and the effect of these compds. was abolished by hypophysectomy. Pretreatment with Na pentobarbital (40 mg./kg., given intraperitoneally) completely inhibited the adrenal I-depleting action of II and of IV but not that of III. However, the depletion of adrenal I by II was inhibited completely by a prior injection of morphine (20 mg./kg., given intraperitoneally) into rats under Na pentobarbital anesthesia. The rats developed tolerance to the stimulatory action of II (70 mg./kg./day for 6 days) on the pituitary gland, while IV and III lacked this property. Repeated injections of II (70 mg./kg./day for 6 days) inhibited the release of ACTH activated by cold stress (8 or 4.degree. for 1 hr.) in rats. Although the effects of II, III, and IV on the pituitary adrenal system were similar in some respects there were also differences of the effects of these 3 compds.; this may be due to the differences in the mol. structure, esp. in the 3rd ring of these compds.

IT 2086-83-1, Berberine
(ascorbic acid from adrenals in corticotropin secretion in relation to)

RN 2086-83-1 CAPLUS

CN Benzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium, 5,6-dihydro-9,10-dimethoxy-
(9CI) (CA INDEX NAME)



=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	16.88	185.35
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.50	-1.50

STN INTERNATIONAL LOGOFF AT 07:20:42 ON 07 SEP 2006